2002 Article Index

The year in review

The following is a listing of all technical articles, features and news items that appeared in *Wire Journal International* during calendar year 2001. The items are arranged by categories.

Companies may arrange for reprints by contacting the WAI headquarters at 1570 Boston Post Road, P.O. Box 578, Guilford, CT 06437-0578, USA. Tel. 203-453-2777; fax 203-453-8384.

2002 WJI Cover Stories

January: "Changing industry standards," *p. 52.*

February: "Furnaces," *p. 46.*

March: "Payoffs and take-ups," *p. 58.*

April: "Wire Expo 2002 & WAI's 72nd Annual Convention," *p. 53.*

May: "e-commerce," *p. 74.*

June: "Marking Equipment," *p. 54.*

July: "Nonferrous equipment," *p. 56.*

August: "Preview: Montreal International Technical Conference," *p. 46.*

September: "Equipment Part II," *p. 50.*

October: "Doing more with less," *p. 56.*

November: "Reels and Spools," *p. 48.*

December: "Industry trends: survival and looking forward," *p. 44.*

Chapter Corner

(See Wire Association International Chapter Corner)

Equipment

March: "Payoffs and take-ups," *p. 58.*

June: "Marking Equipment," *p. 54.*

July: "Nonferrous equipment," *p. 56.*

September: "Equipment Part II," *p. 50.*

Fastener Update

"Fastener Fair sets dates for two upcoming shows," *January 2002, p. 37.*

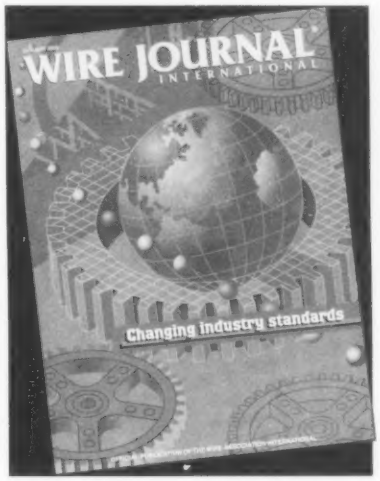
"CENTRA reports foreign interest in Taiwanese fastener equipment makers," *January 2002, p. 37.*

"Two new counters added to the line from Batchmaster," *January 2002, p. 37.*

"CBNSA announces 2002 show date," *January 2002, p. 37.*

"IFI seminar to focus on plastic fastener technology," *February 2002, p. 32.*

"Tower to distribute Anderson products," *February 2002, p. 32.*



"FASPAC software streamlines business, increases efficiency," *February 2002, p. 32.*

"Machines and automation brochure provides info on specifications, company services," *February 2002, p. 32.*

"Fastenal signs supply agreement with Intertape Polymer," *March 2002, p. 42.*

"NFDA releases Train the Trainer (T3)," *March 2002, p. 42.*

"Questron files for Chapter 11," *March 2002, p. 42.*

"Multihead weigher displays advantages over traditional types of linear weighers," *March 2002, p. 42.*

"Fastener organization reorganizes, gets new name," *April 2002, p. 36.*

"Bi-co and EFC each open new facilities," *April 2002, p. 36.*

"NCH completes Ranger merger," *April 2002, p. 36.*

"Valley Rivet has new owners, name," *April 2002, p. 36.*

"Trifast plans to relocate," *April 2002, p. 36.*

"ISANTA elects new 2002 officers," *May 2002, p. 42.*

"Lawson expands six of its facilities," *May 2002, p. 42.*

"Industry veteran launches fastener consulting firm," *May 2002, p. 42.*

"Fastener companies combine services to form new group," *June 2002, p. 38.*

"IFI elects new officers, representatives," *June 2002, p. 39.*

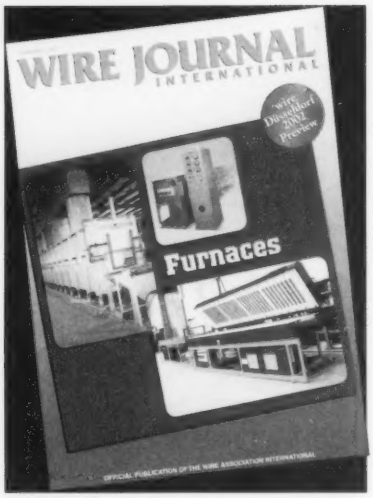
"Pentacon to sell operations, assets to Anixter International," *June 2002, p. 40.*

"TransTechnology exits fastener industry," *July 2002, p. 40.*

"IFI presents 2002 Soaring Eagle Awards," *July 2002, p. 40.*

"Gilchrist Foundation awards scholarships," *July 2002, p. 40.*

"Literature details new company offerings," *July 2002, p. 40.*



"Brussels to host new fastener event," *August 2002, p. 36.*

"Merrifield to speak at WAFD fall conference," *August 2002, p. 36.*

"Pawtucket Fasteners acquired by management, equity firm," *August 2002, p. 36.*

"Alcoa to acquire Fairchild Fasteners," *September 2002, p. 32.*

"Nylok Corporation acquires Multech," *September 2002, p. 32.*

"NFDA to co-sponsor distribution school," *September 2002, p. 32.*

"EFC named master distributor fastener manufacturer," *September 2002, p. 32.*

"Emhart Fastening opens technology innovation center," *October 2002, p. 32.*

"U.K. fastener manufacturers form The Fastener Network sales group," *October 2002, p. 35.*

"STAFDA leaves NAW, joins SBLC," *October 2002, p. 35.*

"PCC to close, consolidate its specialty products division," *November 2002, p. 32.*

"Anixter International completes purchase of Pentacon," *November 2002, p. 32.*

"ITC initiates investigation of panel fasteners, components," *November 2002, p. 33.*

"Singapore to host fastener show," *November 2002, p. 33.*

"Finnveden to close two facilities," *December 2002, p. 28.*

"Emhart acquires licensing arm of Refac Tech," *December 2002, p. 28.*

"Hillman buys retail fastener division," *December 2002, p. 28.*

"Exhibitors from across the globe focus on the upside," *December 2002, p. 29.*

Feedback

"Cuts may undercut mission of Wire Association," *December 2002, p. 12.*

Fiber Watch

"CDT provides fiber backbone for 10 GbE demonstration," *January 2002, p. 33.*

"BOC expands production capacity," *January 2002, p. 33.*

"Furukawa finally seals Lucent deal," *January 2002, p. 33.*

"Corning's plan to resume work at optical fiber plants runs into union opposition," *February 2002, p. 30.*

"BOC patents helium recovery technology for optical fiber," *February 2002, p. 30.*

"Corning buys stake in Indonesian manufacturer," *February 2002, p. 30.*

"Corning reports completion of optical ring system," *March 2002, p. 40.*

"FiberCore will locate its first U.S. plant in Alabama," *March 2002, p. 40.*

"Sumitomo to build optical fiber, cable plants in China," *April 2002, p. 34.*

"Lucent to provide network for railroad," *April 2002, p. 34.*

"Book consolidates POF resources," *April 2002, p. 34.*

"Svyazinvest, Alcatel to jointly manufacture optical fiber," *May 2002, p. 40.*

"Study: 5.3 million fiber km of DSF deployed since 1985," *May 2002, p. 40.*

"Corning warns of further job cuts," *May 2002, p. 40.*

"Superior TeleCom cables used at UN Conference," *May 2002, p. 40.*

"Marconi Telecom Italia successfully implement DWDM," *May 2002, p. 41.*

"Tyco sets new transmission records," *May 2002, p. 41.*

"DSM Desotech opens a new plant in North Carolina," *June 2002, p. 36.*

"Alcatel wins US$33 million contract," *June 2002, p. 36.*

"Roseville selects SUPERIOR fiber," *June 2002, p. 36.*

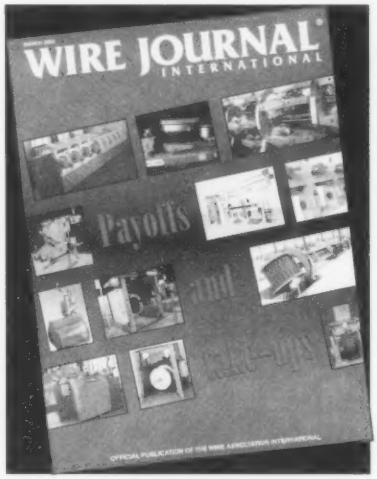
"Corning, Alcoa sign supply agreement for optical fiber," *June 2002, p. 37.*

"Urband selects Pirelli fiber cables for London network," *June 2002, p. 37.*

"Report: Korea one of the world's most fiber-rich countries," *July 2002, p. 36.*

"Furukawa plans closures, further job cuts at Lucent division," *July 2002, p. 36.*

"CommScope introduces line of LightScope fiber optic cables," *July 2002, p. 36.*



"StockerYale buys CIENA's specialty optical fiber group," *August 2002, p. 34.*

"Alcatel wins contract for SBC's Mission Bay project," *August 2002, p. 34.*

"Corning plans more workforce reductions in Europe," *August 2002, p. 35.*

"Corning, FOCAL to supply fiber to Vietnamese highway," *September 2002, p. 30.*

"Hayes is reelected president of FOA," *September 2002, p. 30.*

"CommScope to cut 250 jobs," *September 2002, p. 30.*

"Corning set to decide fate of four fiber optic plants," *October 2002, p. 30.*

"KMI to present 25th annual conference," *October 2002, p. 30.*

"Berkeley delivers fiber take-up unit," *October 2002, p. 30.*

"Guangdong selects Corning optical fiber for network," *November 2002, p. 30.*

"Fiber manufacturer wins theft case," *November 2002, p. 31.*

"Pirelli took fiber on European tour," *November 2002, p. 31.*

"Eurotunnel deploys Acterna system to monitor cable," *December 2002, p. 26.*

"Pirelli increases fiber count in ribbon distribution cable," *December 2002, p. 26.*

Furnaces

"Furnaces," February 2002, *p. 46.*

Industry News: January

"Encore Wire bucks downsizing trend with plans for expansion," *p. 14.*

"Stoody parent company, Thermadyne Holdings, files for Chapter 11," *p. 14.*

"Sumitomo closes U.S. plants, moves operations," *p. 15.*

"Rod producers seek finding against six countries," *p. 15.*

"Big steel mulls consolidation, says it needs hefty tariffs on imports to survive," *p. 16.*

"Bridon American inks partnership agreement with Manitowoc Cranes," *p. 16.*

"WAI formalizes ANTA alliance," *p. 19.*

"Geca-Tapes to reorganize production," *p. 19.*

"New location for Superior TeleCom," *p. 19.*

"Maillefer: initial focus on improving, maintaining," *p. 20.*

"Morgan commissions Byelorussian upgrade," *p. 20.*

"New name for Esteves-PDT and Decatur Wire Die," *p. 20.*

"Niehoff Endex will represent Hacoba in N. America," *p. 20.*

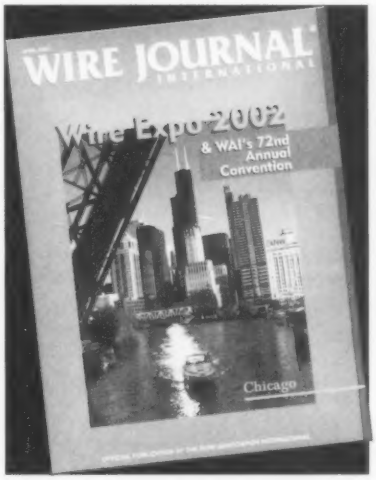
"PolyOne to close plant," *p. 20.*

"Teknor establishes specialty compounding division, adds new capacity," *p. 22.*

"Borealis and Borouge combine certain sales and marketing activities," *p. 22.*

"Electrical Insulation Conference to be a sponsor of Wire Expo 2002," *p. 23.*

"Kinkisharyo awards contract to Tyco," *p. 23.*



"FiberCore announces additional financing for expansion of its German facility," *p. 28.*

"Rosendahl equipment is chosen by Leoni," *p. 28.*

Industry News: February

"Marconi to sell printer business to Danaher," *p. 16.*

"Wire Technologies is formed from two Italian companies," *p. 16.*

"Lincoln Electric Acquires Venezuelan company," *p. 16.*

"General Cable New Zealand to acquire Brand Rex Australia," *p. 17.*

"Superior holds off sale of unit," *p. 17.*

"Ducab signs agreement with Kahramaa for supply of power and pilot cables," *p. 20.*

"AmerCable awards FACTS integrated line control project," *p. 20.*

"Pan Chemicals receives repeat order for its in-line single wheel deblaster," *p. 22.*

"AWPA meeting to include update on TRQ program," *p. 22.*

"Japan's Kinrei Machinery names new North American representatives," *p. 24.*

"Houghton offers total chemical management," *p. 24.*

"New company, The Insulating Group, is formed to sell polymer additive," *p. 26.*

"FMS has a new image," *p. 26.*

Industry News: March

"Avaya said to be considering sale of cabling unit," *p. 14.*

"Pirelli unit awarded airport cable contract," *p. 14.*

"Orica, PolyOne close plant, sell plastic business," *p. 14.*

"Global Crossing files Chapter 11, but Asian unit expects to stay in business," *p. 15.*

"Tyco's TyCom unit reports cutting 1,000 jobs in response to market conditions," *p. 15.*

"Researchers find use of wire fence to be effective," *p. 15.*

"Consolidation, competition from imports forces Insteel to exit nail business," *p. 16.*

"Caballé reports repeat line order from Pirelli," *p. 16.*

"Temporary layoffs at Furukawa's U.S. plant in Georgia affect 2,900," *p. 20.*

"India's Kangaro commissions new wire plant," *p. 20.*

"POSCO starts upgraded Morgan mill," *p. 20.*

"Roteq stages strip armouring demo," *p. 20.*

"Marconi may cut 4,000 more jobs," *p. 23.*

"SUPERIOR ESSEX expands distribution capabilities in Mexico," *p. 23.*

"MACBEE commissions bull block," *p. 23.*

"PS Costruzioni reports Finnish double packaging plant project a success," *p. 24.*

"Corning posts loss, looks to second half," *p. 24.*

"Cleveland Motion Controls and SmartData announce partnership," *p. 25.*

"PWM, appoints Huestis Industrial as exclusive North American Distributor," *p. 25.*

"Gibbs opens service center in Indiana," *p. 25.*

"Charles D. Scott Distinguished Career Award winners for 2002 to be honored," *p. 26.*

"Alloy Wire, Davidon establish partnership," *p. 26.*

"Kabelmat overhauls portal type winders," *p. 26.*

"General Cable chooses CableNet for its collaborative supply chain solutions," *p. 28.*

"Anderson named by Erocarb as distributor," *p. 28.*

"California Fine Wire certified to ISO 9001-2000," *p. 30.*

"Dozens more Delphi sites approved for ISO 14001," *p. 30.*

Industry News: April

"SUPERIOR ESSEX to close copper cable plant," *p. 14.*

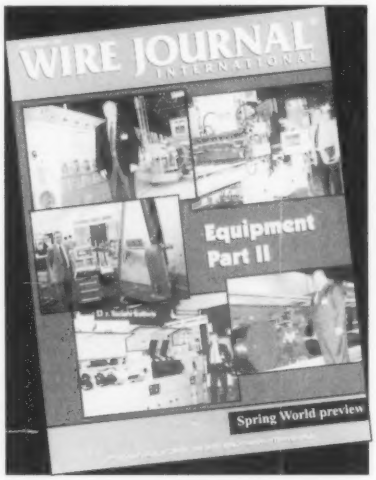
"Cary Compounds plans expansion," *p. 14.*

"Balluff completes addition at Kentucky facility," *p. 14.*

"JPM Company files for Chapter 11 bankruptcy," *p. 14.*

"Bridon completes final main cable wire dispatch for Carquinez Bridge," *p. 15.*

"U.S. trade partners plan to challenge decision on steel import tariffs," *p. 16.*



"ITC seeks input for possible tariff changes," *p. 16.*

"Nexans supplies the safety cables installed in Europe's Mont Blanc Tunnel," *p. 19.*

"Largest-ever wire study predicts both growth and challenges," *p. 19.*

"Furukawa's cable manufacturing unit to merge with Okano Electric Wire Co.," *p. 20.*

"Amercord's wire equipment to be sold," *p. 20.*

"Avaya eliminates 1,900 jobs and sells shares," *p. 20.*

"CDT offers some positives in its most recent quarterly report," *p. 21.*

"Morgan to upgrade Dutch steel mill, China's Zhang Jia Gang bar mill," *p. 21.*

"American Superconductor pays Pirelli for rights to expand sale of wire," *p. 22.*

"Batching Systems, Inc., expands to new facility," *p. 22.*

"Andrew to buy Celiant for US$470 million," *p. 22.*

"Nextrom makes acquisition, launches photonics automation business," *p. 24.*

"Surface Combustion receives furnace order from Irish company," *p. 24.*

"Photonics Corporation enters U.S. market," *p. 24.*

"Ivaco upbeat despite reporting loss as rod mills are heavily booked," *p. 26.*

"Dyneon to expand its fluorpolymer line," *p. 26.*

Industry News: May

"Bakaert stops production of preformed staple wire in Europe, cites profitability," *p. 14.*

"Tayside Cable Technologies goes from 'strength to strength' in six months," *p. 14.*

"Commerce department makes determinations in antidumping investigations," *p. 15.*

"LG Group to complete spinoff of LG Cable, three other non-core units," *p. 15.*

"Nexans reports awarding of power, automotive, and structured cable contracts," *p. 16.*

"Techalloy closes Northhampton plant, shifts product line to Union facility," *p. 19.*

"AMSC to cut 100 jobs, or 25 percent of staff," *p. 19.*

"Malesela-Taihan Electric Cable secures a three-year optical cable order," *p. 20.*

"Birmingham completes sale of its Cleveland steel and wire facility," *p. 20.*

"Irish government to build five networks in 123 cities and towns," *p. 22.*

"Renfro-Franklin has new owner, new name," *p. 22.*

"Die Quip purchases product distributor," *p. 22.*

"Olflex and Contact form Lapp USA, a new cable manufacturing entity," *p. 24.*

"FIB and CIC join forces to form a new company," *p. 24.*

"Morgan Construction to build Shanghai rod mill, Guizhou aluminum mill," *p. 26.*

"NK Cables announces deal with Primus," *p. 26.*

"Atlanta Motor Speedway goes high-tech with Sumitomo's fiber cable," *p. 27.*

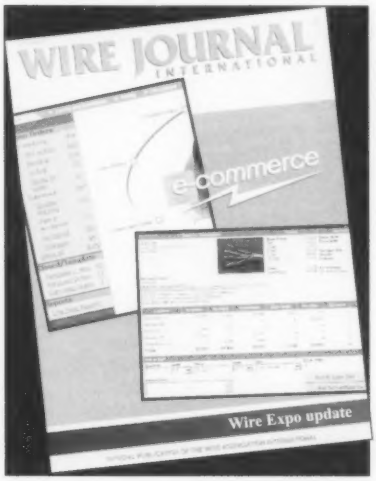
"Harry Miller receives ISO-9002 certification," *p. 27.*

Industry News: June

"Litigation battle forces closing of Carolina plant," *p. 18.*

"IWP to close plant in Los Angeles, combine operations in Pomona," *p. 18.*

"Dubai Cable signs cable supply deal with Qatar," *p. 18.*



"Study: worldwide residential cabling market growing 55 percent annually," *p. 19.*

"Teleflex, Inc., acquires Southwest Wire Rope," *p. 19.*

"General Cable cites positives in harsh times," *p. 19.*

"InfoWatt cable manufacturing system gets financial boost through grant," *p. 20.*

"Harvest buys AmerCable parent Associated Materials for $436 million," *p. 20.*

"AMSC begins production test run," *p. 20.*

"Niehoff product range to now include high-speed braiding machines," *p. 21.*

"Pirelli cables to form core of London network," *p. 21.*

"Great Lakes Chemical announces Saudi-based production unit," *p. 22.*

"Surface combustion to build furnace line for Flame Metals," *p. 22.*

"Nexans wins contract for power cables," *p. 22.*

"Proposed cable network would link Indonesia, Thailand and Singapore," *p. 24.*

"Morgan upgrades mill in Brazil and at Keystone Steel & Wire," *p. 24.*

"Anixter International to relocate its corporate headquarters in Illinois," *p. 26.*

"TKH ends activities in the United Kingdom," *p. 26.*

"Technical Development acquires product line," *p. 26.*

"Colortronic, ACS Group reach sales agreement," *p. 26.*

"Encore highlights advances in its latest report," *p. 27.*

"Corning, Alcoa sign $100 million supply contract," *p. 27.*

"ISO and IAF to pool information on ISO 9000 complaints," *p. 27.*

Industry News: July

"General Cable to close two plants in North America and cut 200 jobs," *p. 18.*

"Copperfield purchases Bremen Insulated Wire," *p. 18.*

"Charter Steel awards Techint furnace contract," *p. 18.*

"3M leads team to develop and deploy high-performance line conductor," *p. 19.*

"Copper cable growth in automobiles expected to remain flat, speaker says," *p. 20.*

"Nexans awarded US$47 million contract from BP for deepwater umbilicals," *p. 21.*

"EFAF installs spool packaging line," *p. 21.*

"Universal Reel opens new service facility," *p. 21.*

"Coperion increases its U.S. production capacity of twin and extruder tools," *p. 22.*

"This Meritus machine order is for the birds," *p. 22.*

"Insteel will sell assets of industrial wire business to Leggett & Platt," *p. 24.*

"Corning and Alcoa sign supply contract," *p. 24.*

"Windings ships its first Model D-2000," *p. 24.*

"PolyOne to consolidate personnel, lab equipment into new solution center," *p. 26.*

"William McCaskie hires Frey Group," *p. 26.*

"Two cable companies leave Arthur Anderson," *p. 26.*

"Gibbs expands, offers new product lines," *p. 26.*

"Ewald Instruments moves into new facility," *p. 28.*

"Fusion UV names Pacific Northwest sales team," *p. 28.*

"Electrical Insulating Conference Day announced," *p. 28.*

"Anixter proposes to buy operations and assets of bankrupt Pentacon," *p. 29.*

"Watson Machinery reports that it still ontinues to operate," *p. 29.*

Industry News: August

"AmerCable senior management buys company from its parent business," *p. 16.*

"NAWP files for chapter 11, but president is optimistic about company's future," *p. 16.*

"Bekaert to close European plants in France and Ireland to help boost profits," *p. 17.*

"Davis-Standard awarded extrusion line contract," *p. 17.*

"IWMA conference to focus on fire safety issues," *p. 18.*

"Sumitomo Electric to reorganize its special steel wire operations," *p. 20.*

"Roblon appoints a new agent in China," *p. 20.*

"Firm forecasts rising demand for insulated wire and cable in the U.S.," *p. 22.*

"Messe Düsseldorf to stage Russian trade fair," *p. 22.*

"CDT unit awarded five-year specialty wire and cable contract with Boeing," *P. 24.*

"Encore Wire wins award for electrical products," *p. 24.*

"Beta LaserMike relocates its Asia Pacific headquarters to Singapore," *p. 26.*

"PolyOne reorganizes its wire and cable staff," *p. 26.*

"Clinton Instrument adds sales groups in Italy, Ireland and the U.K.," *p. 28.*

"China firm orders its first Morgan rod mill," *p. 28.*

"Campaign shows that Davis-Standard line includes more than equipment," *p. 28.*

"Associated Research expands into California with new sales office," *p. 29.*

"Corus to sell stake in AvestaPolarit," *p. 29.*

Industry News: September

"Rea and Tongling Jingda to build magnet wire facility in Nanhai, China," *p. 14.*

"Niehoff line of braiding machines attract attention at in-house exhibition," *p. 14.*

"Henrich files for bankruptcy protection," *p. 14.*

"Industry analyst predicts that some cable companies must 'wait it out'," *p. 15.*

"Pirelli detects HTS leaks," *p. 15.*

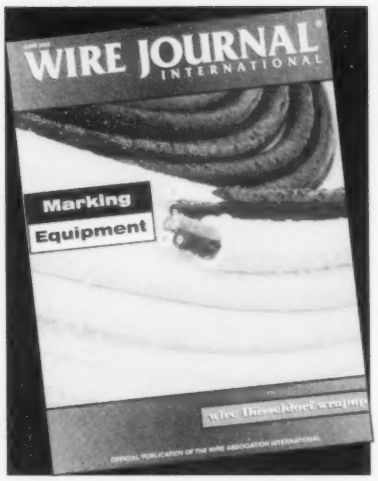
"Bekaert Group acquires stake, takes full control of Bekaert Dymonics," *p. 16.*

"Sumitomo, Tatsuta and Hitachi form company," *p. 16.*

"Tayside and Leoni establish agreement," *p. 16.*

"Nexans equips Rosetta, the European comet probe, with electrical harnesses," *p. 17.*

"Davis-Standard unveils plan for support center," *p. 17.*



"Rautomead makes inroads in Turkey with supply of vertical casting machine," *p. 18.*

"Superior Essex Group names new president," *p. 18.*

"LVE merges into parent company," *p. 18.*

"Ultimation appoints Clifford Machinery as North American agent," *p. 20.*

"Rosendahl ends fiscal year on a positive note," *p. 20.*

"Cincinnati Metals open West Coast center," *p. 20.*

"Merritt adds department to address production solutions for extrusion processors," *p. 22.*

"Carolina Steel & Wire assets are to be sold," *p. 22.*

"Strand hired to represent EROCARB product line," *p. 22.*

"Techint receives order for walking beam and rotary hearth furnaces," *p. 24.*

"*WIN* newsletter ends; new publication emerges," *p. 24.*

"Amacoil expands its field network," *p. 24.*

Industry News: October

"Legett & Platt to resume operations at two closed industry plants," *p. 12.*

"American Spring Wire buys wire manufacturer," *p. 13.*

"Ames Goldsmith buys Handy & Harman division," *p. 13.*

"Phelps Dodge to close two wire and cable plants and eliminate 345 jobs," *p. 13.*

"DOC announces final wire rod duties; ruling draws a mixed response," *p. 13.*

"Temsa begins manufacturing of diamond dies at new company in Spain," *p. 14.*

"Brazil's Acominas orders flexible wire rod mill," *p. 14.*

"Danaher to acquire Thompson Industries," *p. 14.*

"Dyneon enters into agreement to purchase Solvay Fluoropolymers," *p. 15.*

"Vacuum Furnace Systems opens California office," *p. 15.*

"LOI awarded bell-type annealing plant contract," *p. 15.*

"Alcatel, FiberHome establish venture for the sale of fiber products in China," *p. 16.*

"Beta LaserMike acquires PlastAdvisor," *p. 16.*

"ECA and IWCS sign cooperative agreement," *p. 16.*

"Bridon American implements new training program at Manitowac Cranes," *p. 18.*

"Breen resigns from CommScope board," *p. 18.*

"Forming Systems named agent for Whitelegg," *p. 18.*

"Warbrick announces four exclusive agencies for U.K. and Ireland," *p. 20.*

"Sterling orders Morgan equipment for mill," *p. 20.*

"ZYP Coatings completes new production facility," *p. 20.*

"Nexans to provide cabling system to security agency in the U.K.," *p. 21.*

"Maillefer enters into representation agreement with Intec Precision," *p. 22.*

"Wayne presented with DOC's export achievement certificate," *p. 22.*

"Bosch, Koganei sign cooperative agreement for Asian market," *p. 22.*

Industry News: November

"Handy & Harman to close two steel wire facilities in the U.S. and U.K.," *p. 12.*

"Family touch highlights RicharsApex's 100th anniversary celebration," *p. 12.*

"CDT job cuts to affect operations in Sweden, Canada, and the U.S.," *p. 13.*

"Viteck down but not out," *p. 13.*

"Danieli expands Acerbrag's mill in Argentina, upgrades Nanjing's wire rod mill in China," *p. 13.*

"Nextrom Holding SA reports restructuring," *p. 13.*

"Struggling Lucent plans to cut 10,000 more positions," *p. 13.*

"Nexans wins contract to supply 3,000 km of cables for the Queen Mary 2," *p. 14.*

"Sikora makes transition to a shareholder company, holds open house," *p. 14.*

"Court upholds patent licensed to American Superconductor," *p. 16.*

"Republic Engineered agrees to provide production technology to Kobe Steel," *p. 16.*

"Rautomead makes further inroads, opens new office in Tehran, Iran," *p. 16.*

"Dow Corning invests $16 million to increase fluorosilicone capacity," *p. 18.*

"Sikora signs Amaral as New England sales rep," *p. 18.*

"Morgan to upgrade Ameristeel rod mill in Florida, signs licensing agreement," *p. 20.*

"Ebner awarded orders for annealer facilities," *p. 20.*

"ITC decision confirms most penalties for certain imported ferrous rod," *p. 22.*

"Andrew Corp. restructuring to close 13 facilities, cut hundreds of jobs," *p. 22.*

"M.F.L. USA moves office to Rhode Island, plans to add full-time technicians," *p. 24.*

"Filament UV coating process earns patent," *p. 24.*

"AWPA honors Blunt," *p. 24.*

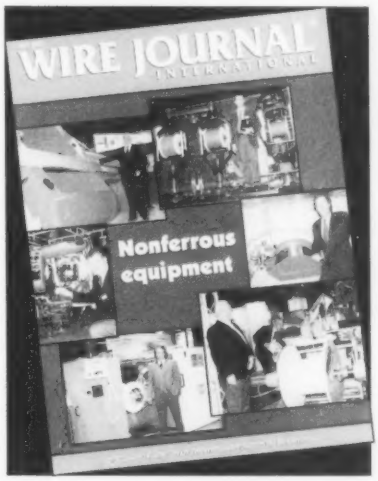
Industry News: December

"Beldon buys Norcom, cuts jobs, considers closure," *p. 14.*

"Sonoco purchases reel operations in Texas," *p. 14.*

"Nextrom to close Ceeco operations, sales offices," *p. 14.*

"Gauder Group acquires Pourtier," *p. 14.*



"Pirelli to shut down six cable manufacturing plants, eliminate 2,400 jobs," *p. 15.*

"AMSC acquires Nordic Superconductor, beats HTS wire goal set by DEP," *p. 15.*

"Chemetall joint venture in China begins operations," *p. 16.*

"PolyOne completes expansion of facility," *p. 16.*

"Tyco to make cable at Flextronics' China facility," *p. 16.*

"Morgan commissions new wire mill, ships first China-made stands," *p. 18.*

"AWPA seeks Max Moore Award nominations," *p. 18.*

"Gitto/Global receives DEP approval for production capacity expansion," *p. 20.*

"Orebro University expands wire research," *p. 20.*

"York enters agreement with JLC Electromet," *p. 20.*

"ICF holds 12th annual congress in Beijing, China," *p. 21.*

"Wyrepak moves into new, modern facility," *p. 21.*

"Industrial Steel & Wire closes slitting operation," *p. 21.*

"Ohio Governor tours Surface Combustion corporate headquarters, plant," *p. 22.*

"Axia SuperNet selects Alcatel to build broadband network in Alberta," *p. 22.*

"Outokumpu user meeting in Turkey draws international audience," *p. 23.*

Industry Trends

January: "Changing industry standards," *p. 52*

October: "Doing more with less," *p. 56*

December: "Industry trends: survival and looking forward," *p. 44.*

Meetings, conferences and exhibitions

"Electrical Insulation Conference to be a sponser of Wire Expo 2002," *January 2002, p. 23.*

"Speakers set for WAI/GENCA extrusion workshop," *January 2002, p. 44.*

"IWCS celebrates 50th anniversary in grand style," *January 2002, p. 50.*

"AWPA meeting to include update on TRQ program," *February 2002, p. 22.*

"Montreal to host 2002 ITC," *February 2002, p. 40.*

"Revamped wire Düsseldorf ready for 2002 show," *February 2002, p. 60.*

"Lectures and tours highlight ferrous workshop," *March 2002, p. 44.*

"Wire Expo 2002 and the WAI's 72nd Annual Convention," *March 2002, p. 50.*

"SAMP U.S.A./Phelps Dodge/WAI workshop scheduled for September," *April 2002, p. 38.*

"AWPA meeting held amid warm climate, hot topics," *April 2002, p. 46.*

(continued)

"Quality program presented at GENCA/WAI extrusion workshop," *April 2002, p. 48.*

"Phelps Dodge plant site of workshop tour," *May 2002, p. 46.*

"Midwest Chapter holds successful inaugural meeting," *May 2002, p. 54.*

"Speakers, topics, lined up for wiredrawing workshop," *June 2002, p. 40.*

"WAI to hit the road with its first traveling workshop," *June 2002, p. 42.*

"Two tours are planned for 2002 Montreal ITC," *June 2002, p. 44.*

"SAMP/USA, Inc., prepares for nonferrous workshop," *July 2002, p. 46.*

"Western Chapter tours Phelps Dodge facilities," *July 2002, p. 51.*

"Merrifield to speak at WAFD fall conference," *August 2002, p. 36.*

"Chapter sets date for wire workshop," *August 2002, p. 44.*

"Montreal, WAI's 2002 International Technical Conference," *August 2002, p. 46.*

"Glimmer of optimism seen in Interwire 2003 exhibits," *September 2002, p. 36.*

"New England Chapter to put on updated workshop," *September 2002, p. 40.*

"KMI to present 25th annual conference," *October 2002, p. 30.*

"IWCS/Focus returns to Orlando for 51st event," *October 2002, p. 46.*

"The business of the WAI: Reconvene," *November 2002, p. 34.*

"Workshop satisfies Texas-size appetite for nonferrous instruction," *November 2002, p. 37.*

"ICF holds 12th annual congress in Beijing, China," *December 2002, p. 21.*

"Outokumpu user meeting in Turkey draws international audience," *December 2002, p. 23.*

"Exhibitors from across the globe focus on the upside," *December 2002, p. 29.*

Reels and Spools

"Reels and spools," *November 2002, p 48.*

Smart Solutions

"A primer on reel reconditioning," *October 2002, p. 28.*

Technical Articles: Electrical/Fiber Optics

"Trends in non-lead heavy-metal-free wire and cable applications," by John Grant, *January 2002, p. 82.*

"The right mix: morphology and dispersion of carbon black in the stabilization of weather resistant polyethylenes," by John Accorsi, *March 2002, p. 98.*

"Versatile SRL Predictor," by Ethem Erdas, *May 2002, p. 91.*

"Production of fibers in steel tubes for OPGW," by Freiedrich Harten and Klaus Porcher, *May 2002, p. 98.*

"Ultrasonic gauging for jacketed cable and fiber," by Ron Adkins, *September 2002, p. 76.*

Technical Articles: Ferrous

"Strain aging of an AISI 1070 steel," by J.E Araujo, J.M. Hallen and L. Vazquez, *January 2002, p. 86.*

"Development of a new hypereutectoid steel for high-strength wire," by Masato Kaiso, Nobuhiko Ibaraki, Yasuhiro Oki and Takaaki Minamida, *February 2002, p. 116.*

"Plasma polymerized primers for rubber-to-steel bonding," by C.M. Bertelsen, F.J. Boerio and D.K. Kim, *February 2002, p. 122.*

"Fracture mechanics aspects of delamination occurrence in high-carbon steel wire," by Kenichi Shimizu and Nozomu Kawabe, *March 2002, p. 88.*

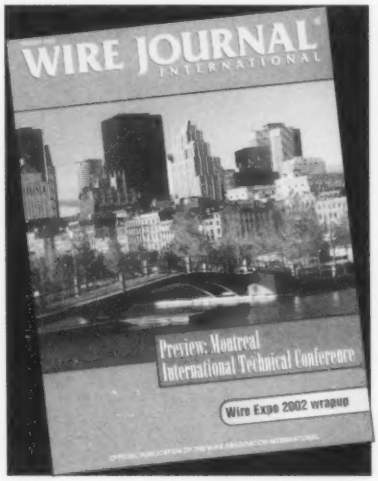
"Role of stream descaling of steel wire rod," by Zbigniew Smolaryzyk, Bogdan Golis, Jan W. Pilarczyk, Henryk Dyja, Zbigniew Muskalski and Zibigniew Blazejowski, *March 2002, p. 118.*

"Development of Type 204 Cu stainless steel, a low-cost alternative to Type 304," by John Magee, *May 2002, p. 84.*

"Innovative productivity in the steel cord wiredrawing process," by Yong-Min Park, Min-An Kim, Byung-Min Kim, Young-Sik Min and Dong-Hwan Kim, *June 2002, p. 60.*

"Effects of compound ingredients on rubber adhesion to steel cord," by Yasuhiro Ishikawa and Takeshi Hotaka, *June 2002, p. 69.*

"Promoters for enhanced adhesion of steel cord to rubber," by Yea-Yang Su and Robert M. Shemenski, *July 2002, p. 68.*



"Experimental determination of fracture toughness for high-carbon cold-drawn steel wires," by Bamdad Pouladian and Douglas Hare, *July 2002, p. 77.*

"Adhesion technology for nickel plating and natural rubber compounds," by Shunji Hachisuka and Jun Nakayama, *August 2002, p. 80.*

"Coating steel wire by polymers in hydrodynamic drawing," by Jan W. Pilarczyk, Zbigniew Muskalski, Henryk Dyja and Bogdan Golis, *August 2002, p. 93.*

"High strength wires for springs," by Mark P. Hayes, *September 2002, p. 72.*

"Influence of non-metallic inclusions on drawability of high carbon steel wire rod," by Jan W. Pilarczyk, Zbigniew Muskalski, Piotr Dyja and Bogdan Golis, *September 2002, p. 81.*

"Effect of die approach geometry and bearing length on residual stress after bar drawing," by Motoo Asakawa, Wataru Sasaki and Shunsuke Shishido, *October 2002, p. 68.*

"Pearlitic steel wire rods with low cementite volume fraction for direct drawing," by Chul Min Bae, Young Jun Song and Seong Wook Yim, *October 2002, p. 76.*

"Experimental investigation of external thread rolling," by Jarvis L. Dotson, Charles R. Henry and Joseph P. Domblesky," *November 2002, p. 64.*

"Investigations of the possibility of electrochemical nickel and copper coating of bead wire," by Bogdan Golis, Jan W. Pilarczyk, Henryk Dyja, Zbigniew Muskalski and Wieslaw Waskielewicz, *November 2002, p. 69.*

"Factors relating to the wire straightening process: process and peripherals," by Marcus Paech, *December 2002, p. 64.*

"A case for tensile specifications in the steel rod and wire industry," by Steven M. Montague, Jeffrey D. Howrey and James L. Hess, *December 2002, p. 69.*

Technical Articles: General

"Die design and wiredrawing—understanding the relationship between die specifications and wiredrawing," by Tino Corral, *January 2002, p. 91.*

"In-line cleaning of steel core wire for the manufacture of aluminum clad steel wire," by Norman Chow, *February 2002, p. 104.*

"The 'cost of quality' in the wire and cable industry," by William Truran, *March 2002, p. 106.*

"Die design for fluorinated lubricants," by Anthony V. Parise, Robert W. Balliett and Betzalel Avitzur, *April 2002, p. 188.*

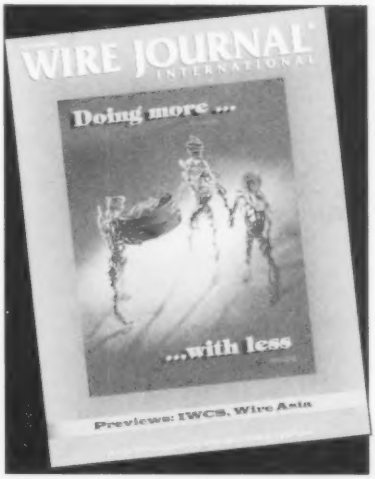
"Experimental study on wire surface treatment by abrasive water jet," by Guo Chuwen, Liu Linsheng, Zhang Donghai and Cui Kai, *May 2002, p. 102.*

"Scoreboarding for continuous improvement in extrusion processes," by Lawrence J. Caldwell, *June 2002, p. 79.*

"Rod breakdown, wiredrawing and stranding mathematics," by Michael J. McNulty, *July 2002, p. 90.*

"The mechanism of chevron or 'crow's feet' development in wiredrawing," by Roger N. Wright, *August 2002, p. 86.*

"Artificial Intelligence: improving the scheduling of process manufacturing," by Gregory R. Ball and Byron R. Ball, *October 2002, p. 83.*



"Enviromental monitoring for facility compliance determination," by Darryl L. Hitch and Sally Hitch, *November 2002, p. 78.*

Technical Articles: Nonferrous

"The effects of drawing temperature on the properties and annealing response of copper wire," by Corrado Noseda and Roger N. Wright, *January 2002, p. 74.*

"Effects of back tension and drawing direction on wire properties in copper wiredrawing," by Kazunari Yoshida, Ryuta Ido and Tsutomu Yamashita, *February 2002, p. 110.*

"Pressure of die drawing of aluminum alloys," by Edward Matthews, *March 2002, p. 114.*

"Aluminum spiral wrapping for stabilization of niobium/titanium superconductor wire," by Gil Baker, Horace Pops, Jack Davis, Greg Holt, Suhas Vaze, Dah-Wei Yuan and Julie Steininger, *April 2002, p. 178.*

"Liquid antioxidants: a new choice for increased cleanliness and productivity in the production of cross-linked cable insulation," by Wolfgang Voigt and John Kenny, *April 2002, p. 196.*

"Problem of dark wire—a new approach," by A. N. Chakravarty, Lokesh Kumar Sharma and Sameer Gupta, *June 2002, p. 82.*

"Quality enhancement of ultrafine magnet wire utilizing failure analysis," by Masoud Garshasb and Timothy J. Day, *July 2002, p. 84.*

"Criteria for the prevention of filament and wire breaking during the fabrication of multifilamentary composite superconducting wire," by Betzalel Avitzur and Samy Talbert, *August 2002, p. 72.*

"Analysis of tin- and nickel- plated copper wire failures for quality improvement," by Masoud Garshasb, *September 2002, p. 86.*

Did you get your *WAI Connection*?

Make sure you get the latest association and industry news, plus technical tips and upcoming events. Send your e-mail address to membership@wirenet.org, and look for *The WAI Connection* - the members-only e-newsletter - in your inbox twice each month.

Not a member? Join today and start getting *The WAI Connection!*

(continued)

"A new fire-retardant sheathing concept for UTP data cables and fire-resistant cables," by J. Preston, D. Sawyer and M. Procter, *September 2002, p. 93.*

"Copper LAN cables: how to improve transmission capacity by reducing manufacturing process variations," by Jose Manuel Castro, *October 2002, p. 78.*

"A unique conductivity measurement system (%IACS)," by Enrico Gandolfi Colleoni and Francesca Vendemini, *November 2002, p. 74.*

"Prediction of wire breaks during fine CU wiredrawing," by Hoon Cho, Hyung-Ho Jo and Byung-Min Kim, *December 2002, p. 59.*

Wire Association International (WAI) Chapter Corner

"Southeast Chapter to hold its inaugural meeting," *January 2002, p. 46.*

"Western Chapter to link its meeting to ferrous wire workshop," *January 2002, p. 46.*

"Midwest Chapter planning a workshop/meeting for March," *January 2002, p. 46.*

"New England Chapter will focus on cable production," *January 2002, p. 47.*

"Mid-South Chapter's 2nd Annual Golf Tournament set for April," *January 2002, p. 47.*

"Mid-South Chapter to focus on Productivity through wellness," *January 2002, p. 48.*

"Plans set for inaugural meeting of Midwest Chapter," *February 2002, p. 45.*

"Registration deadline nears for Mid-South Chapter event," *February 2002, p. 45.*

"Southeast Chapter gets 'outsider's view from the inside'," *March 2002, p. 52.*

"Western Chapter hears talks, introduces new officers for 2002," *March 2002, p. 53.*

"New England Chapter off to a good start in 2002," *March 2002, p. 54.*

"Mid-South Chapter plans 2nd annual golf tournament," *March 2002, p. 56.*

"Mid-South Chapter program stresses need for safety, health," *April 2002, p. 42.*

"Final days to reserve your tee time!" *April 2002, p. 42.*

"Southeast reception a tandem event," *April 2002, p. 43.*

"New England Chapter meeting topic covers 'all the fine print'," *April 2002, p. 43.*

"New England Chapter offers up a 'five-course special' award as prize," *April 2002, p. 43.*

"Western Chapter meeting to include tour of Phelps Dodge plants," *April 2002, p. 44.*

"India to become site of WAI's seventh chapter," *May 2002, p. 50.*

"Chapter Leadership meeting to be held at Wire Expo," *May 2002, p. 50.*

"Midwest Chapter holds successful inaugural meeting," *May 2002, p. 54.*

"Mid-South Chapter golf tourney is a repeat winner," *June 2002, p. 46.*

"Western Chapter tours Phelps Dodge facilities," *July 2002, p. 51.*

"New England Chapter presentation is fit to print," *July 2002, p. 52.*

"The call of the links return for New England Chapter," *July 2002, p. 53.*

"Chapter to learn about Six Sigma," *August 2002, p. 42.*

"Tee off nears for New England Chapter tourney," *August 2002, p. 44.*

"Chapter sets date for wire workshop," *August 2002, p. 44.*

"WAI Mid-South Chapter to learn to manage a hurricane," *September 2002, p. 40.*

"New England Chapter to put on updated workshop," *September 2002, p. 40.*

"Wild West Shootout takes aim at 18 holes of fun," *September 2002, p. 41.*

"Southeast Chapter to tee it up at first-ever golf tourney," *October 2002, p. 40.*

"Mid-South Chapter workshop nears," *October 2002, p. 42.*

"Deadline time for N.E. Chapter event," *October 2002, p. 42.*

"Midwest meeting tops Six Sigma standards for value," *November 2002, p. 40.*

"Southeast Chapter to co-sponsor Road Show Workshop," *November 2002, p. 40.*

"New England Chapter notches another golf success," *November 2002, p. 41.*

"New England Chapter workshop presented wire basics," *December 2002, p. 36.*

"Southeast Chapter golf outing a first-time success," *December 2002, p. 37.*

"Mid-South Chapter reacts to a 'hurricane'," *December 2002, p. 38.*

"New England Chapter meeting will be UL-approved," *December 2002, p. 38.*

Wire Association International (WAI) News: January

"Higgins is WAI president," *p. 40.*

"Wire Expo 2002 attendees offered tour of Merit Steel," *p. 42.*

"WAI selects paper award winners for 2001," *p. 42.*

"Speakers set for WAI/GENCA extrusion workshop," *p. 44.*

(continued)

"Schedule set for WAI/MACBEE/Davis Wire workshop," *p. 45*

WAI News: February

"Three more Wire Expo sponsors named," *p. 38.*

"*2002 Reference Guide* to be mailed in February," *p. 38.*

"Tour of Copperfield facility set for Wire Expo," *p. 39.*

"Montreal to host 2002 ITC," *p. 40.*

"Schedule set for WAI/GENCA workshop," *p. 42.*

"Donato named as 2002 Wire Link Scholar," *p. 44.*

WAI News: March

"Tech council to expand, creates new body," *p. 48.*

"Two sponsors are part of Wire Expo tech program," *p. 49.*

"Wire Expo 2002 and the WAI's 72nd Annual Convention," *p. 50.*

WAI News: April

"Positive results at Interwire 2003 points meeting," *p. 38.*

"SAMP U.S.A./Phelps Dodge/WAI workshop scheduled for September," *p. 38.*

WAI News: May

"Local committee working on Montreal ITC," *p. 44.*

"Tabletops still available for upcoming ITC," *p. 45.*

"Murray returns to WAI, joins tech department," *p. 45.*

"Phelps Dodge plant site of workshop tour," *p. 46.*

"WAI enters alliance with Australian Wire Association," *p. 48.*

WAI News: June

"Speakers, topic lined up for wiredrawing workshop," *p. 40.*

"SAMP: a legacy of WAI involvement," *p. 40.*

"A new members-only benefit is here: *The WAI Connection*," *p. 41.*

"WAI to hit the road with its first traveling workshop," *p. 42.*

"Two tours are planned for 2002 Montreal ITC," *p. 44.*

WAI News: July

"SAMP/USA, Inc., prepares for nonferrous workshop," *p. 46.*

"Montreal guest tours promise history and culture," *p. 47.*

WAI News: August

"Three representatives added to WAI's Technical Council," *p. 40.*

"Wire Expo 2004 is in Cleveland," *p. 40.*

"Two different WAI workshops ready for September," *p. 41.*

WAI News: September

"Glimmer of optimism seen in Interwire 2003 exhibits," *p. 36.*

"Theme session (and other) papers sought for Interwire," *p. 36.*

"Technical contractor, web site are on call for questions," *p. 38.*

WAI News: October

"WAI response to economic conditions remains ambitious," *p. 38.*

WAI News: November

"The business of the WAI: Reconvene," *p. 34.*

"Workshop satisfies Texas-size appetite for nonferrous instruction," *p. 37.*

WAI News: December

"Properzi a winner of 2003 Mordica Memorial Award," *p. 30.*

"Costello a winner of 2003 Mordica Memorial Award," *p. 30.*

"Shemenski wins 2003 Donnellan Memorial Award," *p. 31.*

"Tradition, like clockwork, continues to hold up well," *p. 32.*

"WAI participates in AWIA's annual convention," *p. 35.*

Did you get your *WAI Connection*?

Make sure you get the latest association and industry news, plus technical tips and upcoming events. Send your e-mail address to membership@wirenet.org, and look for *The WAI Connection* - the members-only e-newsletter - in your inbox twice each month.

Not a member? Join today and start getting *The WAI Connection!*